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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/338,063DATE: 09/21/1999
TIME: 11:14:01

INPUT SET: S33400.raw #5 1/2

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

(1) General Information:

(i) APPLICANT: GOTO, Masaaki
TSUDA, Eisuke
MOCHIZUKI, Shin'ichi
YANO, Kazuki
KOBAYASHI, Fumie
SHIMA, Nobuyuki
YASUDA, Hisataka
NAKAGAWA, Nobuaki
MORINAGA, Tomonori
UEDA, Masatsugu
HIGASHIO, Kanji

(ii) TITLE OF INVENTION: Novel Proteins and Methods for Producing
the Proteins

(iii) NUMBER OF SEQUENCES: 108

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Testa, Hurwitz & Thibault
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(D) STATE: MA
(E) COUNTRY: USA
(F) ZIP: 02110

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US 09/338,063
(B) FILING DATE: 23-JUN-1999
(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: JP 54977/1995
(B) FILING DATE: 20-FEB-1995

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: JP 207508/1995

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47 (B) FILING DATE: 21-JUL-1995
48
49 (vii) PRIOR APPLICATION DATA:
50 (A) APPLICATION NUMBER: PCT/JP96/00374
51 (B) FILING DATE: 20-FEB-1996
52
53 (vii) PRIOR APPLICATION DATA:
54 (A) APPLICATION NUMBER: US 08/915,004
55 (B) FILING DATE: 20-AUG-1997
56
57 (viii) ATTORNEY/AGENT INFORMATION:
58 (A) NAME: MOORE, Ronda P.
59 (B) REGISTRATION NUMBER: 44,244
60 (C) REFERENCE/DOCKET NUMBER: FJN-060DV2
61
62 (ix) TELECOMMUNICATION INFORMATION:
63 (A) TELEPHONE: (617) 248-7000
64 (B) TELEFAX: (617) 248-7100
65
66
67 (2) INFORMATION FOR SEQ ID NO:1:
68
69 (i) SEQUENCE CHARACTERISTICS:
70 (A) LENGTH: 6 amino acids
71 (B) TYPE: amino acid
72 (C) STRANDEDNESS:
73 (D) TOPOLOGY: linear
74
75 (ii) MOLECULE TYPE: peptide
76
77
78 (ix) FEATURE:
79 (A) NAME/KEY: Peptide
80 (B) LOCATION: 1..6
81 (D) OTHER INFORMATION: /note= "(an internal amino acid
82 sequence of the protein)"
83
84
85 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
86
87 Xaa Tyr His Phe Pro Lys
88 1 5
89
90 (2) INFORMATION FOR SEQ ID NO:2:
91
92 (i) SEQUENCE CHARACTERISTICS:
93 (A) LENGTH: 14 amino acids
94 (B) TYPE: amino acid
95 (C) STRANDEDNESS:
96 (D) TOPOLOGY: linear
97
98 (ii) MOLECULE TYPE: peptide
99

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100
101 (ix) FEATURE:
102 (A) NAME/KEY: Peptide
103 (B) LOCATION: 1..14
104 (D) OTHER INFORMATION: /note= "(an internal amino acid
105 sequence of the protein)"
106
107
108 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
109
110 Xaa Gln His Ser Xaa Gln Glu Gln Thr Phe Gln Leu Xaa Lys
111 1 5 10
112
113 (2) INFORMATION FOR SEQ ID NO:3:
114
115 (i) SEQUENCE CHARACTERISTICS:
116 (A) LENGTH: 12 amino acids
117 (B) TYPE: amino acid
118 (C) STRANDEDNESS:
119 (D) TOPOLOGY: linear
120
121 (ii) MOLECULE TYPE: peptide
122
123
124 (ix) FEATURE:
125 (A) NAME/KEY: Peptide
126 (B) LOCATION: 1..12
127 (D) OTHER INFORMATION: /note= "(an internal amino acid
128 sequence of the protein)"
129
130
131 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
132
133 Xaa Ile Arg Phe Leu His Ser Phe Thr Met Tyr Lys
134 1 5 10
135
136 (2) INFORMATION FOR SEQ ID NO:4:
137
138 (i) SEQUENCE CHARACTERISTICS:
139 (A) LENGTH: 380 amino acids
140 (B) TYPE: amino acid
141 (C) STRANDEDNESS:
142 (D) TOPOLOGY: linear
143
144 (ii) MOLECULE TYPE: protein
145
146
147 (ix) FEATURE:
148 (A) NAME/KEY: Protein
149 (B) LOCATION: 1..380
150 (D) OTHER INFORMATION: /note= "(OCIF protein without
151 signal peptide)"
152

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153
154 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
155
156 Glu Thr Phe Pro Pro Lys Tyr Leu His Tyr Asp Glu Glu Thr Ser His
157 1 5 10 15
158
159 Gln Leu Leu Cys Asp Lys Cys Pro Pro Gly Thr Tyr Leu Lys Gln His
160 20 25 30
161
162 Cys Thr Ala Lys Trp Lys Thr Val Cys Ala Pro Cys Pro Asp His Tyr
163 35 40 45
164
165 Tyr Thr Asp Ser Trp His Thr Ser Asp Glu Cys Leu Tyr Cys Ser Pro
166 50 55 60
167
168 Val Cys Lys Glu Leu Gln Tyr Val Lys Gln Glu Cys Asn Arg Thr His
169 65 70 75 80
170
171 Asn Arg Val Cys Glu Cys Lys Glu Gly Arg Tyr Leu Glu Ile Glu Phe
172 85 90 95
173
174 Cys Leu Lys His Arg Ser Cys Pro Pro Gly Phe Gly Val Val Gln Ala
175 100 105 110
176
177 Gly Thr Pro Glu Arg Asn Thr Val Cys Lys Arg Cys Pro Asp Gly Phe
178 115 120 125
179
180 Phe Ser Asn Glu Thr Ser Ser Lys Ala Pro Cys Arg Lys His Thr Asn
181 130 135 140
182
183 Cys Ser Val Phe Gly Leu Leu Leu Thr Gln Lys Gly Asn Ala Thr His
184 145 150 155 160
185
186 Asp Asn Ile Cys Ser Gly Asn Ser Glu Ser Thr Gln Lys Cys Gly Ile
187 165 170 175
188
189 Asp Val Thr Leu Cys Glu Glu Ala Phe Phe Arg Phe Ala Val Pro Thr
190 180 185 190
191
192 Lys Phe Thr Pro Asn Trp Leu Ser Val Leu Val Asp Asn Leu Pro Gly
193 195 200 205
194
195 Thr Lys Val Asn Ala Glu Ser Val Glu Arg Ile Lys Arg Gln His Ser
196 210 215 220
197
198 Ser Gln Glu Gln Thr Phe Gln Leu Leu Lys Leu Trp Lys His Gln Asn
199 225 230 235 240
200
201 Lys Asp Gln Asp Ile Val Lys Lys Ile Ile Gln Asp Ile Asp Leu Cys
202 245 250 255
203
204 Glu Asn Ser Val Gln Arg His Ile Gly His Ala Asn Leu Thr Phe Glu
205 260 265 270

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206
207 Gln Leu Arg Ser Leu Met Glu Ser Leu Pro Gly Lys Lys Val Gly Ala
208 275 280 285
209
210 Glu Asp Ile Glu Lys Thr Ile Lys Ala Cys Lys Pro Ser Asp Gln Ile
211 290 295 300
212
213 Leu Lys Leu Leu Ser Leu Trp Arg Ile Lys Asn Gly Asp Gln Asp Thr
214 305 310 315 320
215
216 Leu Lys Gly Leu Met His Ala Leu Lys His Ser Lys Thr Tyr His Phe
217 325 330 335
218
219 Pro Lys Thr Val Thr Gln Ser Leu Lys Lys Thr Ile Arg Phe Leu His
220 340 345 350
221
222 Ser Phe Thr Met Tyr Lys Leu Tyr Gln Lys Leu Phe Leu Glu Met Ile
223 355 360 365
224
225 Gly Asn Gln Val Gln Ser Val Lys Ile Ser Cys Leu
226 370 375 380
227

(2) INFORMATION FOR SEQ ID NO:5:

228
229
230 (i) SEQUENCE CHARACTERISTICS:
231 (A) LENGTH: 401 amino acids
232 (B) TYPE: amino acid
233 (C) STRANDEDNESS:
234 (D) TOPOLOGY: linear
235
236 (ii) MOLECULE TYPE: protein
237
238
239 (ix) FEATURE:
240 (A) NAME/KEY: Protein
241 (B) LOCATION: 1..380
242 (D) OTHER INFORMATION: /note= "(OCIF protein)"
243
244 (ix) FEATURE:
245 (A) NAME/KEY: Peptide
246 (B) LOCATION: -21..0
247 (D) OTHER INFORMATION: /note= "(signal peptide)"
248
249
250 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
25

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SEQUENCE VERIFICATION REPORT
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